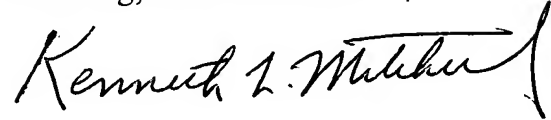


ABSTRACT

The invention is a planar antenna which comprises a plurality of antennas positioned relative to each other in a predetermined orientation. Each of the antennas is selectively electrically connectable to one or more of the other antennas. A plurality of switches electrically connect the plurality of antennas to each other. The switches are opened and closed by a signal operating at high speed enabling the antenna to act alternately in a first antenna configuration and a second antenna configuration using the same antenna structure. Doppler signals from the first and second antenna configurations are processed to determine the direction of a person or object in relation to a door.

Respectfully Submitted,

Woodling, Krost and Rust

A handwritten signature in black ink, reading "Kenneth L. Mitchell". The signature is written in a cursive style with a large, sweeping initial 'K' and a long horizontal line extending from the end of the name.

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